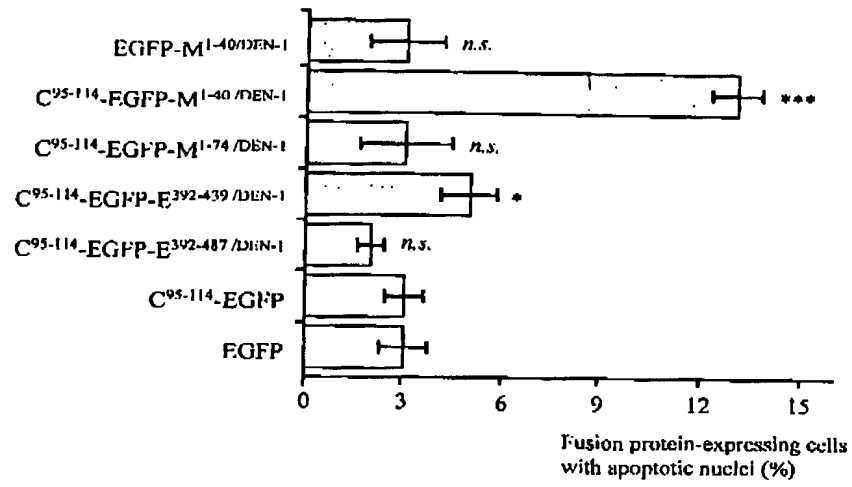
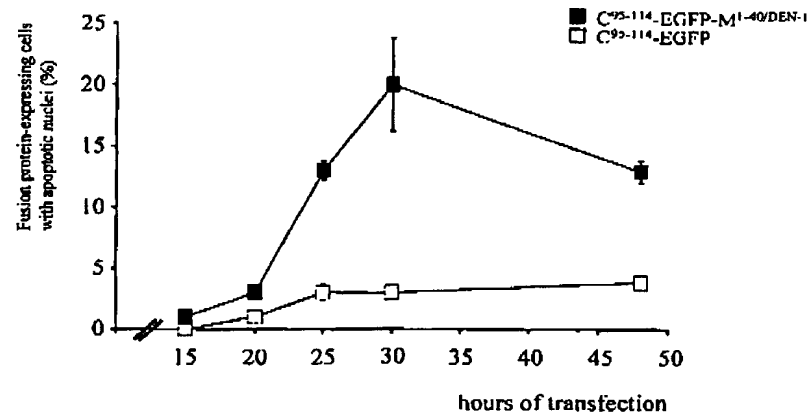


FIGURE 1.

A.



B.



C.

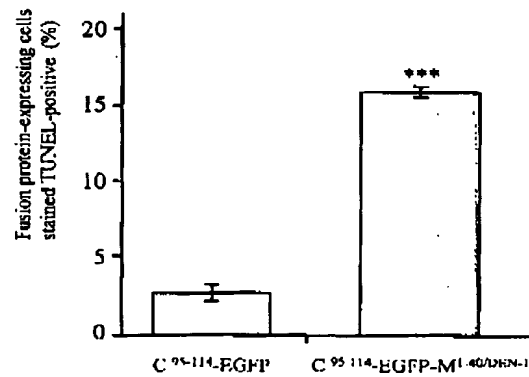
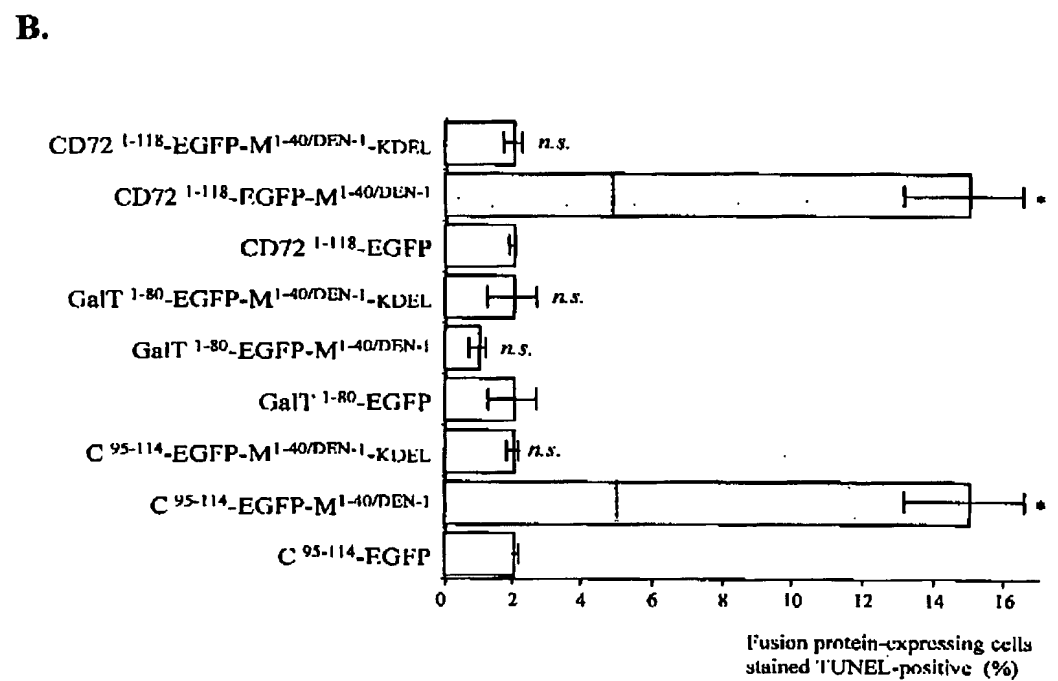
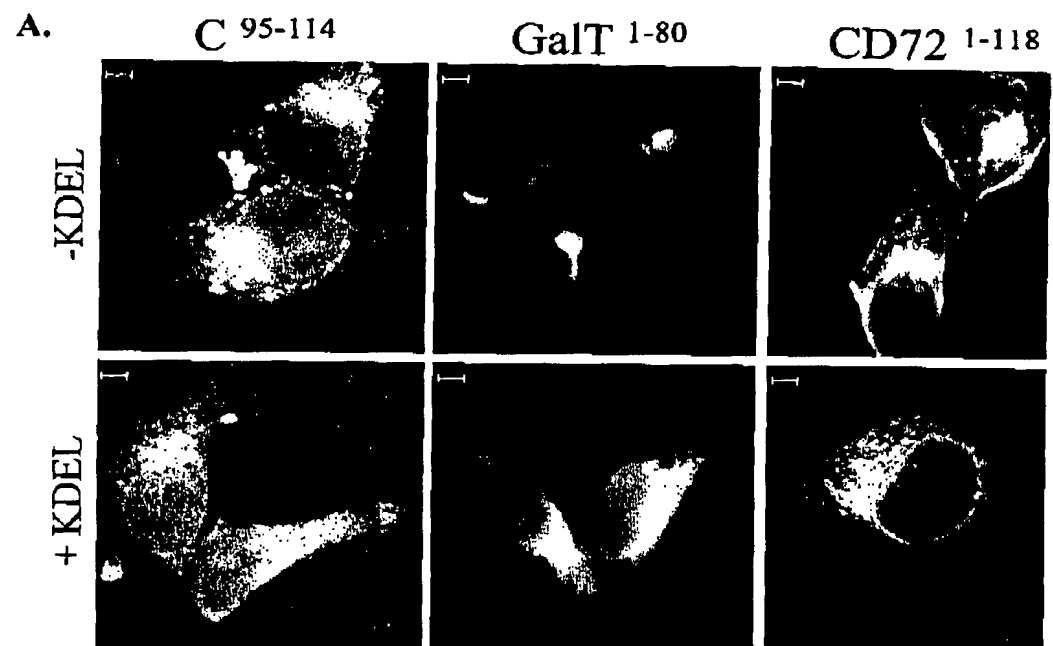
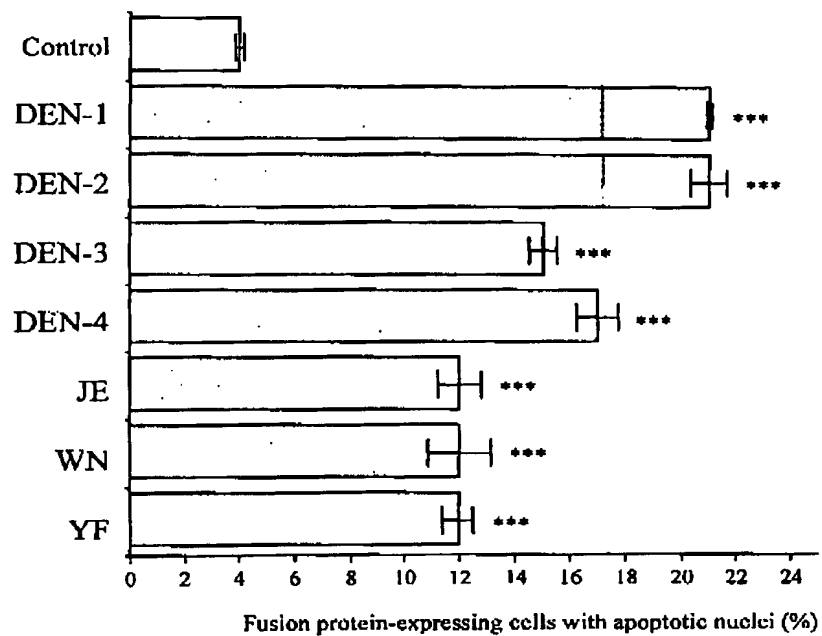


FIGURE 2

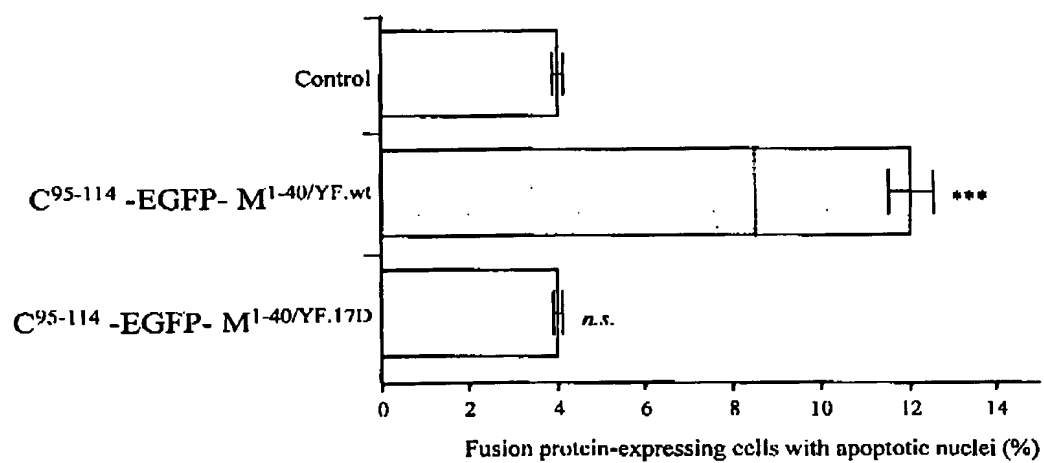


**FIGURE 3**

**A.**

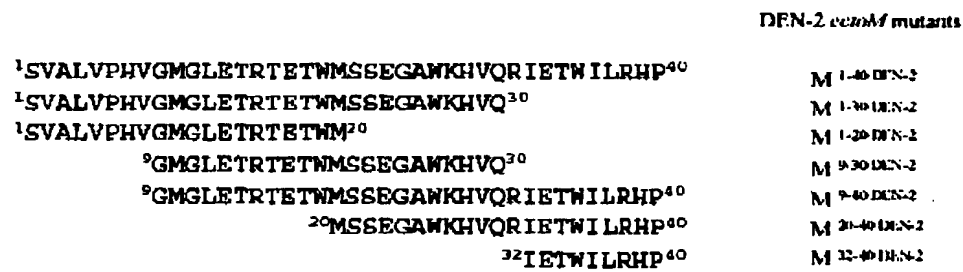


**B.**

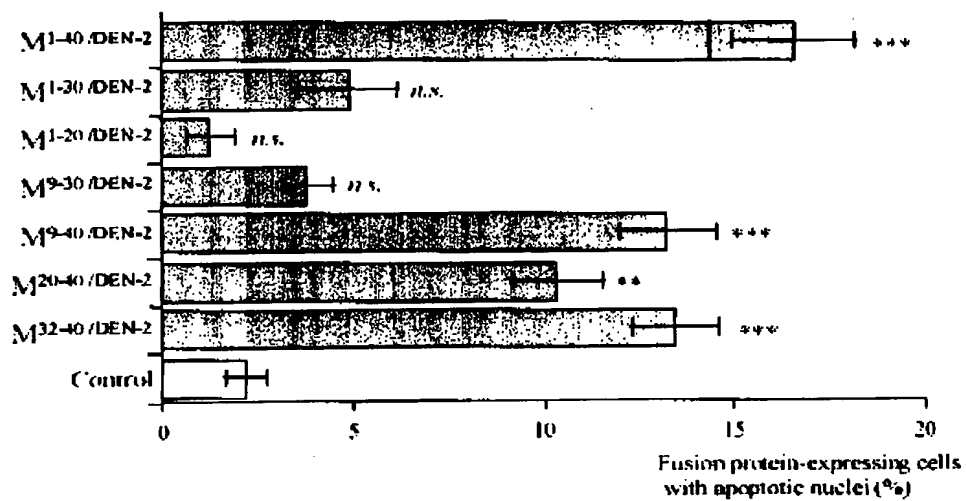


**FIGURE 4**

A.



B.



C.

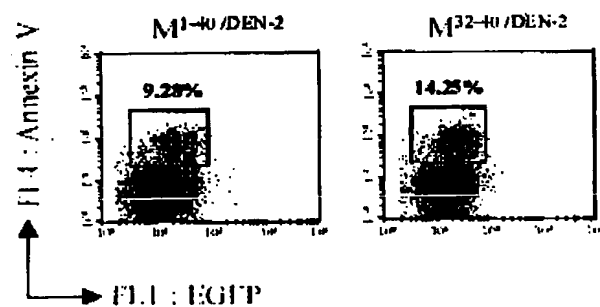


FIGURE 5

**A.**

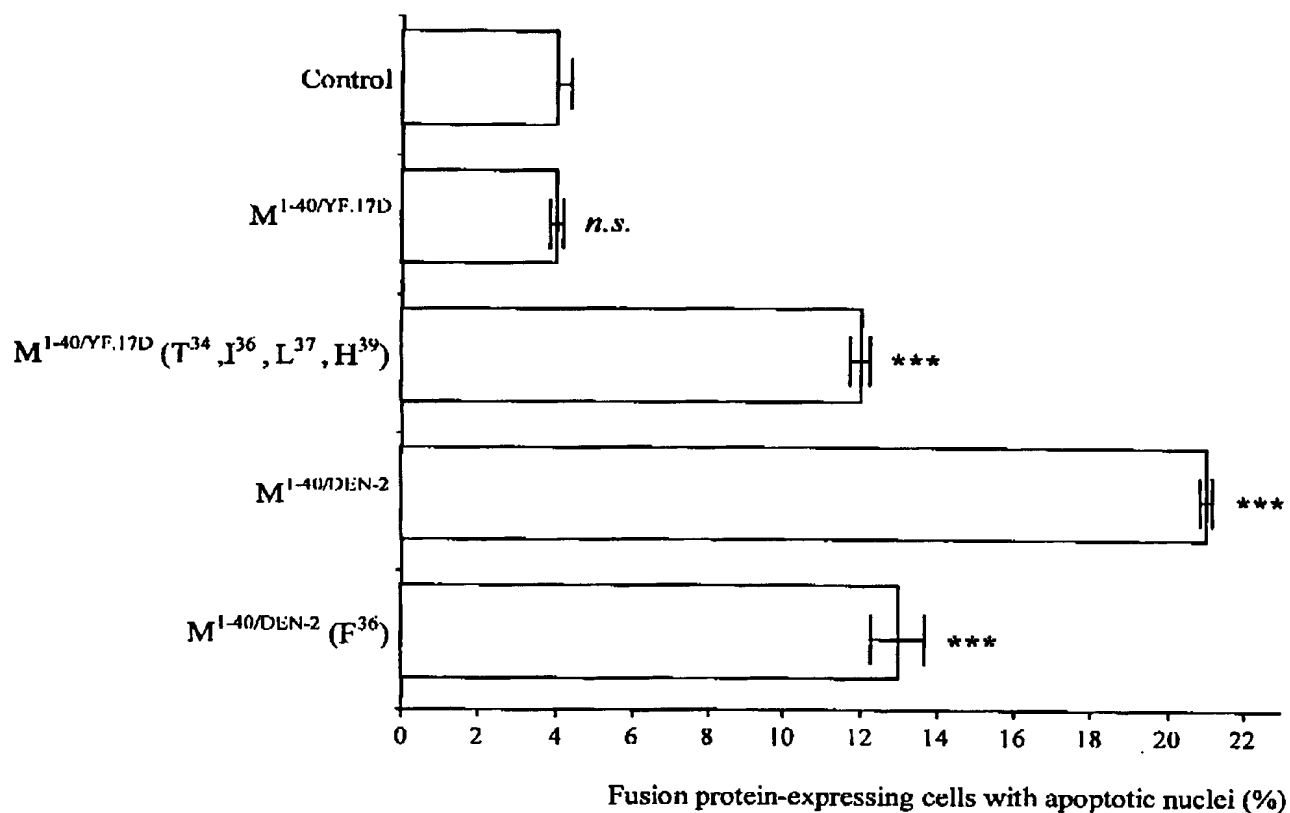
*ecto-M*

\* \* \* \* \*  
<sup>1</sup>AIDLPTHENHGLKTRQEKWMTGRMGERQLQKIERWFVRNP<sup>4</sup>  
 1-----T-IL-H-  
 ..  
<sup>1</sup>SVALVPHVGMGLETRTETWMSSEGAWKHVQRIETWILRHP<sup>1</sup>  
 1-----F-----  
 ..

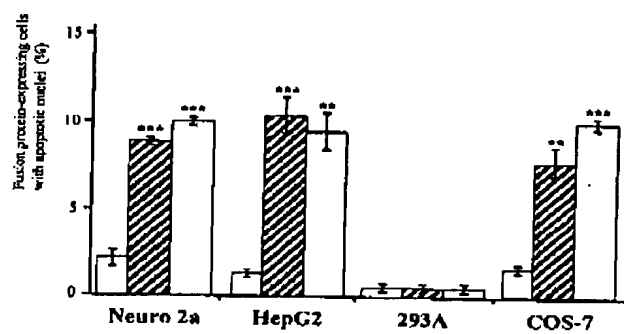
**Mutant proteins**

M<sup>1-40/YF.17D</sup>  
 M<sup>1-40/YF.17D</sup> (T<sup>34</sup>, I<sup>36</sup>, L<sup>37</sup>, H<sup>39</sup>)  
 M<sup>1-40/DEN-2</sup>  
 M<sup>1-40/DEN-2</sup> (F<sup>36</sup>)

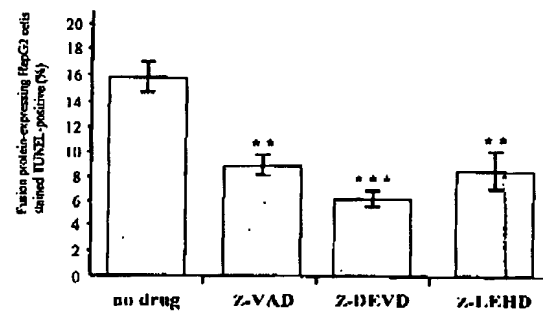
**B.**



**FIGURE 6**



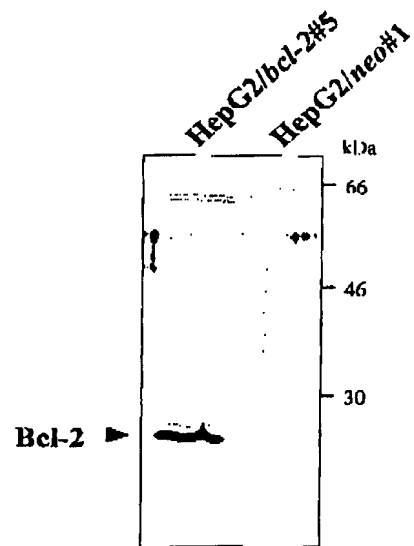
**FIGURE 2**



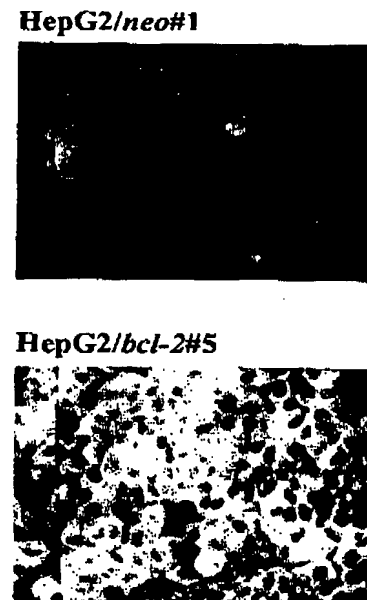
**FIGURE 8**



A.



B.



C.

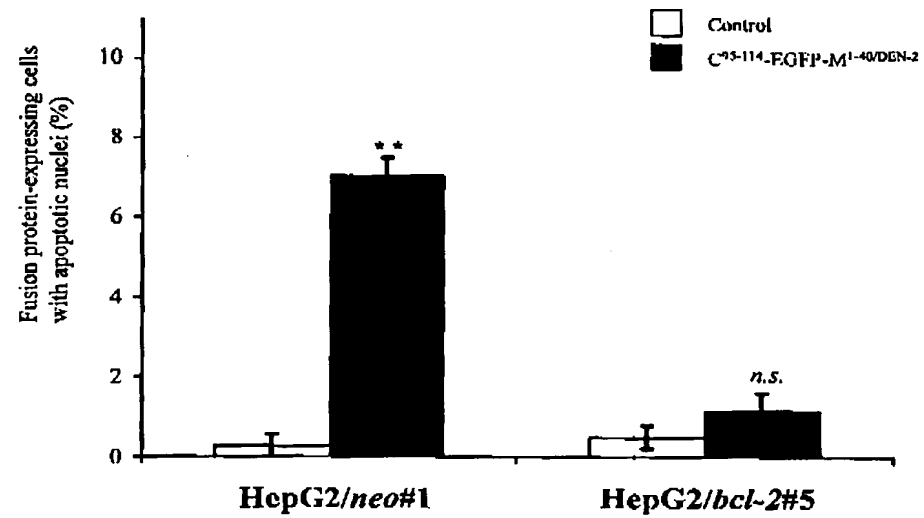


FIGURE 9

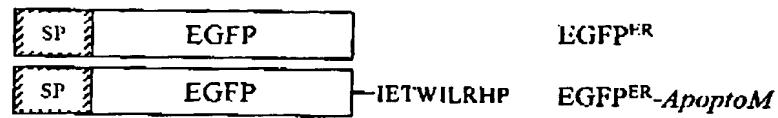
SVALAPHVGLGLETRTETWMSSEGAWKQIQKVETWALRHP DEN-1  
 ----V----M-----HA-RI---I---- DEN-2  
 -----M--D---Q---A---R-VE----- DEN-3  
 ----T--S-M-----A-----HA-R--S-I--N- DEN-4  
 AID-PT-ENH--K--Q-K--TGRMGER-L--I-R-FV-N- YFV 17D  
 -LTVQT-GEST-ANKKGA--D-TK-TRYLV-T-S-I--N- WNV  
 --SVQT-CESS-VNKKEA-LD-TK-TRYLM-T-N-IV-N- JEV

Sub-sequence of 9 aminoacids

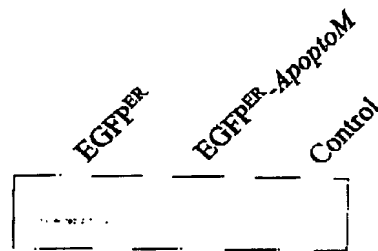
GenBank Acession Number (DEN-1) AAB27904  
<sup>206</sup>SVALAPHVGLGLETRTETWMSSEGAWKQIQK<sup>236</sup> <sup>237</sup>VETWALRHP<sup>245</sup>  
 1-----31 32-----40  
 ----V----M-----HA-R I---I--- DEN-2  
 -----M--D---Q---A---R-VE- DEN-3  
 ----T--S-M-----A-----HA-R --S-I--N- DEN-4  
 AID-PT-ENH--K--Q-K--TGRMGER-L- I-R-FV-N- YFV 17D  
 -LTVQT-GEST-ANKKGA--D-TK-TRYLV- T-S-I--N- WNV  
 --SVQT-CESS-VNKKEA-LD-TK-TRYLM- T-N-IV-N- JEV

FIGURE 10

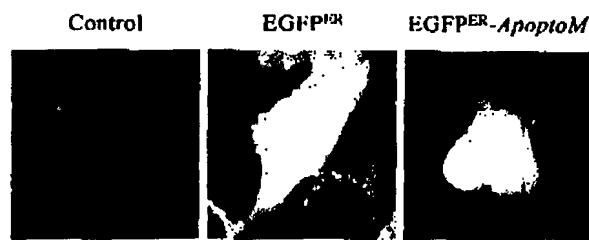
A.



B.



C.



D.

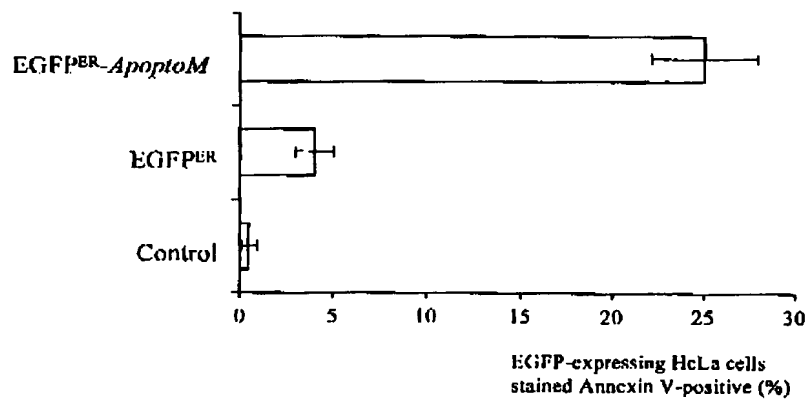
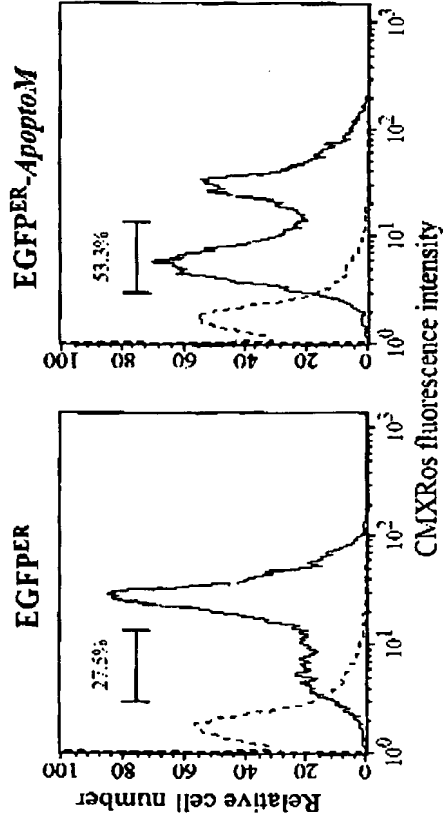
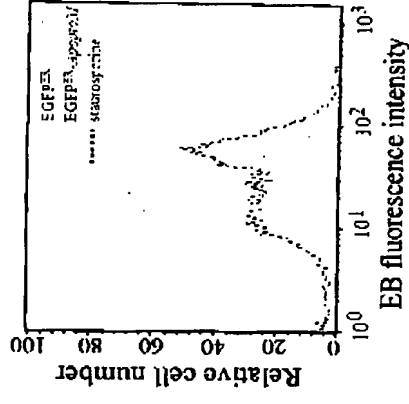


FIGURE 11

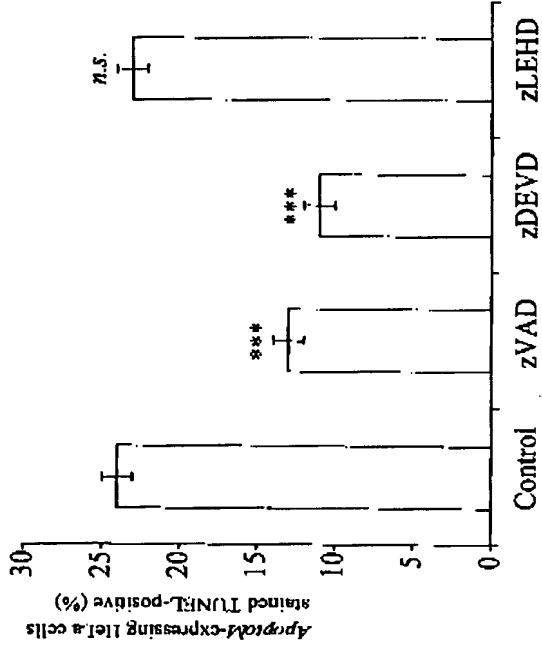
A.



B.



C.



D.

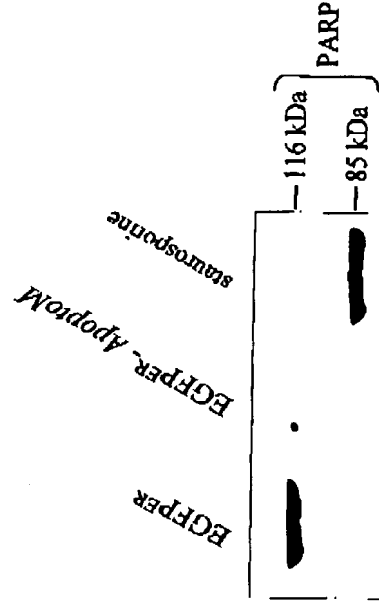
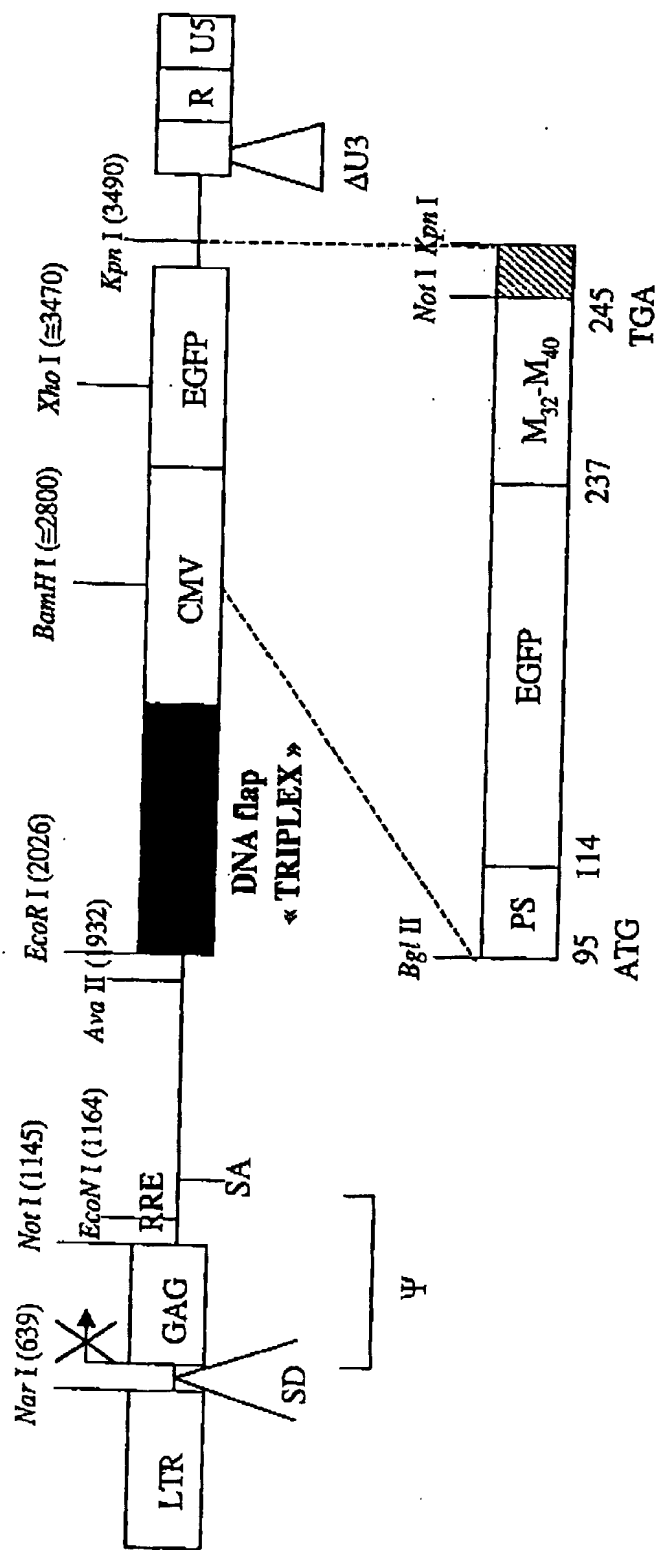


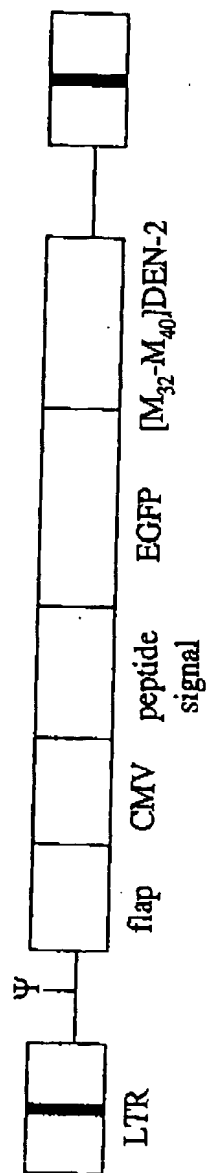
FIGURE 12

—  $\Delta$  U3 CMV GFP



# Construction établie

tripΔU3CMV[95-114]EGFP [M<sub>32</sub>-M<sub>40</sub>]DEN-2



**FIGURE 13**